

### AMENDMENTS TO THE CLAIMS

The claims have been reproduced in their entirety with appropriate indications of their respective statuses.

1. (Currently Amended) A dielectric coating for use on a conductive substrate comprising:  
a silicone composition of the formula:



wherein  $x=1-4$  and wherein R comprises a compound selected from the group consisting of: methyl, phenyl, hydrido, hydroxyl, alkoxy groups or a combination of the above or monovalent radicals independently selected from alkyl, aryl, ~~arylamide~~ alkylamide, arylamide, alkylamino groups and arylamino radicals ~~(when  $1 \leq x \leq 4$ )~~;  
said dielectric coating having a network structure.

2. (Currently Amended) The dielectric coating of claim 1 wherein the silicone composition comprises a silsesquioxane compound of the formula:



wherein R comprises a compound selected from the group consisting of: methyl, phenyl, hydrido, hydroxyl, alkoxy or a combination of the above or monovalent radicals independently selected from alkyl, aryl, ~~arylamide~~ alkylamide, arylamide, alkylamino groups and arylamino radicals ~~(when  $1 \leq x \leq 4$ )~~ ~~(when  $1 \leq x \leq 4$ )~~.

3. (Currently Amended) The dielectric coating of claim 2 wherein the silsesquioxane compound further includes silanol units of the formula:  $[Rsi(OH)_xO_y]$   $[RSi(OH)_xO_y]$  where  $x+y=3$  and which can be ~~silylated~~ silylated with appropriate ~~organosiloxanes~~ organosiloxanes to produce corresponding silylated polysilsesquioxanes.

4. (Original) The dielectric coating of claim 1 wherein the silicone composition comprises a polymethyl silsesquioxane of the formula:  $[CH_3SiO_{(3/2)}]_n$ .

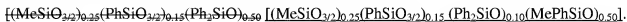
5. (Currently Amended) The dielectric coating of claim 1 wherein the silicone composition comprises a silsesquioxane copolymer of the formula:  $R^1_a R^2_b R^3_c SiO_{(4-a-b-c)/2}$ , wherein: a is zero or a positive number, b is zero or a positive number, c is zero or a positive number, with the provisos that  $0.8 \leq (a+b+c) \leq 3.0$  and wherein the copolymer has an average of at least two  $R^1$  groups per molecule, and each  $R^1$  is a functional group independently selected from the group consisting of hydrogen atoms and monovalent hydrocarbon groups having aliphatic unsaturation, and each  $R^2$  and each  $R^3$  are monovalent hydrocarbon groups independently selected from the group consisting of nonfunctional groups and  $R^1$ .

6. (Original) The dielectric coating of claim 5 wherein  $R^1$  is an alkenyl group and  $R^2$  and  $R^3$  are nonfunctional groups selected from the group consisting of alkyl and aryl groups.

7. (Original) The dielectric coating of claim 6 wherein  $R^1$  is selected from the group consisting of vinyl and allyl groups.

8. (Original) The dielectric coating of claim 6 wherein  $R^2$  and  $R^3$  are selected from the group consisting of methyl, ethyl, isopropyl, n-butyl, and isobutyl groups.

9. (Currently Amended) The dielectric coating of claim 1 wherein the silicone composition comprises a phenyl-methyl siloxane compound of the formula:



10. (Currently Amended) A substrate ~~structure~~ comprising:

a flexible conductive material;

a dielectric coating disposed on a surface of the flexible conductive material;

said dielectric coating comprising a ~~silicone~~ silicone composition of the formula:



wherein  $x=1-4$  and wherein R comprises a compound selected from the group consisting of methyl, phenyl, hydrido, hydroxyl, alkoxy groups or a combination of the above or

monovalent radicals independently selected from alkyl, aryl, alkylamide, arylamide, alkylamino groups and arylamino radicals (~~when  $1 \leq x \leq 4$~~ );

said dielectric coating having a network structure.

11. (Currently Amended) The substrate of claim 10 wherein the silicone composition comprises a silsesquioxane compound of the formula:



wherein R comprises a compound selected from the group consisting of: methyl, phenyl, hydrido, hydroxyl, alkoxy or a combination of the above or monovalent radicals independently selected from alkyl, aryl, ~~aryl~~ alkylamide, arylamide arylamide, alkylamino groups and arylamino radicals (~~when  $1 \leq x \leq 4$~~ ) (~~when  $1 \leq x \leq 4$~~ ).

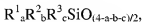
12. (Currently Amended) The substrate of claim 11 wherein the silsesquioxane compound further includes silanol units of the formula:



where  $x+y=3$  and which can be ~~silylated~~ silylated with appropriate ~~organosiloxanes~~ organosiloxanes to produce corresponding silylated polysilsesquioxanes.

13. (Original) The substrate of claim 10 wherein the silicone composition comprises a polymethyl silsesquioxane of the formula:  $[\text{CH}_3\text{SiO}_{(3/2)}]_n$ .

14. (Original) The substrate of claim 10 wherein the silicone composition comprises a silsesquioxane copolymer of the formula:



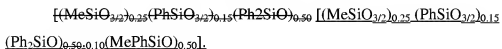
wherein: a is zero or a positive number, b is zero or a positive number, c is zero or a positive number, with the provisos that  $0.8 \leq (a+b+c) \leq 3.0$  and wherein the copolymer has an average of at least 2  $\text{R}^1$  groups per molecule, and each  $\text{R}^1$  is a functional group independently selected from the group consisting of hydrogen atoms and monovalent hydrocarbon groups having aliphatic unsaturation, and each  $\text{R}^2$  and each  $\text{R}^3$  are monovalent hydrocarbon groups independently selected from the group consisting of nonfunctional groups and  $\text{R}^1$ .

15. (Original) The substrate of claim 14 wherein  $R^1$  is an alkenyl group and  $R^2$  and  $R^3$  are nonfunctional groups selected from the group consisting of alkyl and aryl groups.

16. (Original) The substrate of claim 15 wherein  $R^1$  is selected from the group consisting of vinyl and allyl groups.

17. (Original) The substrate of claim 15 wherein  $R^2$  and  $R^3$  are selected from the group consisting of methyl, ethyl, isopropyl, n-butyl, and isobutyl groups.

18. (Currently Amended) The substrate of claim 1 wherein the silicone composition comprises a phenyl-methyl siloxane compound of the formula:



19. (New) The dielectric coating of claim 1, wherein the silicone composition further comprises a reinforcing filler.

20. (New) The dielectric coating of claim 19, wherein the reinforcing filler comprises colloidal silica particles having a size of from 5 to 150 nm.

21. (New) The substrate of claim 10, wherein the silicone composition further comprises a reinforcing filler.

22. (New) The substrate of claim 21, wherein the reinforcing filler comprises colloidal silica particles having a size of from 5 to 150 nm.